

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s pyroglutamic acid
      108 PYROGLUTAMIC
      6381520 ACID
L1    105 PYROGLUTAMIC ACID
      (PYROGLUTAMIC(W)ACID)
```

```
=> s pyroglutamic acid/cn
L2    1 PYROGLUTAMIC ACID/CN
```

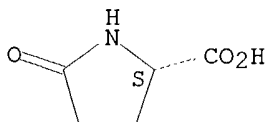
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=> d 12
```

```
L2    ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN    98-79-3 REGISTRY
CN    L-Proline, 5-oxo- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    Proline, 5-oxo-, L- (8CI)
OTHER NAMES:
CN    (-)-2-Pyrrolidone-5-carboxylic acid
CN    (-)-Pyroglutamic acid
CN    (5S)-2-Oxopyrrolidine-5-carboxylic acid
CN    (S)-(-)-.gamma.-Butyrolactam-.gamma.-carboxylic acid
CN    (S)-(-)-2-Pyrrolidone-5-carboxylic acid
CN    (S)-2-Pyrrolidone-5-carboxylic acid
CN    (S)-5-Oxo-2-pyrrolidinecarboxylic acid
CN    (S)-Pyroglutamic acid
CN    2-L-Pyrrolidone-5-carboxylic acid
CN    2-Oxopyrrolidine-5(S)-carboxylic acid
CN    2-Pyrrolidinone-5-carboxylic acid
CN    5-Carboxy-2-pyrrolidinone
CN    5-Oxo-L-proline
CN    5-Oxoproline
CN    5-Pyrrolidinone-2-carboxylic acid
CN    Ajidew A 100
CN    Glutimic acid
CN    Glutiminic acid
CN    L-2-Pyrrolidone-5-carboxylic acid
CN    L-5-Carboxy-2-pyrrolidinone
CN    L-5-Oxo-2-pyrrolidinecarboxylic acid
CN    L-5-Oxoproline
CN    L-Glutamic acid, .gamma.-lactam
CN    L-Glutimic acid
CN    L-Glutiminic acid
CN    L-Pyroglutamic acid
CN    L-Pyrrolidinonecarboxylic acid
CN    L-Pyrrolidonecarboxylic acid
CN    NSC 143034
CN    Oxoproline
CN    Oxopyrrolidinecarboxylic acid
```

CAS React

CN PCA
 CN Pidolic acid
 CN Pidolidone
 CN **Pyroglutamic acid**
 CN Pyrrolidinonecarboxylic acid
 CN Pyrrolidone-5-carboxylic acid
 CN Pyrrolidonecarboxylic acid
 AR 35255-51-7
 FS STEREOSEARCH
 DR 6886-28-8, 498-91-9, 16891-48-8, 87430-62-4, 29222-42-2, 312618-42-1
 MF C5 H7 N O3
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS,
 BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE,
 GMELIN*,
 HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
 NIOSHTIC,
 PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 CMBI (Combinatorial study); FORM (Formation, nonpreparative); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);
 RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2489 REFERENCES IN FILE CA (1907 TO DATE)
 153 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2494 REFERENCES IN FILE CAPLUS (1907 TO DATE)

20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 1 glutamic acid/cn

L3 0 L GLUTAMIC ACID/CN

=> s glutamic acid/cn

L4 2 GLUTAMIC ACID/CN

=> d 1-2

L4 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 617-65-2 REGISTRY

CN **Glutamic acid (9CI)** (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN DL-Glutamic acid

CN Glutamic acid, DL- (8CI)

OTHER NAMES:

CN (.+-.)-Glutamic acid

CN Glutaminic acid

CN NSC 206301

CN NSC 9967

FS 3D CONCORD

MF C5 H9 N O4

CI COM

LC STN Files: ADISNEWS, AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, DIOGENES, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUIDB, MRCK*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAPLUS document type: Conference; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No

role

in record)

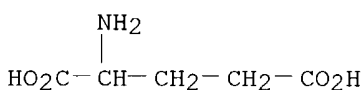
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);

RACT

(Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

880 REFERENCES IN FILE CA (1907 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
880 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 56-86-0 REGISTRY
CN L-Glutamic acid (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glutamic acid, L- (7CI, 8CI)
OTHER NAMES:
CN (2S)-2-Aminopentanedioic acid
CN (S)-(+)-Glutamic acid
CN (S)-2-Aminopentanedioic acid
CN (S)-Glutamic acid
CN .alpha.-Aminoglutaric acid
CN .alpha.-Glutamic acid
CN 1-Aminopropane-1,3-dicarboxylic acid
CN 2-Aminoglutaric acid
CN 2-Aminopentanedioic acid
CN Aciglut
CN E 620
CN Glusate
CN Glutacid
CN **Glutamic acid**
CN Glutamicol
CN Glutamidex
CN Glutaminic acid
CN Glutaminol
CN Glutaton
CN L-(+)-Glutamic acid
CN L-.alpha.-Aminoglutaric acid
CN l-Glutaminic acid
CN L-Glutaminic acid
CN NSC 143503
CN Pentanedioic acid, 2-amino-, (S)-
FS STEREOSEARCH
DR 6899-05-4, 10549-13-0, 138-16-9
MF C5 H9 N O4
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*,
DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,